THE NEW YORK TIMES, TUESDAY, JULY 16, 1968

RVEY C. HAYES, NAR AUTHORITY

ead of Navy's Sound oratory Is Dead at 89

Harvey C. Hayes, pioneer e development of underacoustics, died last Tuest Peterborough, N. H. He 89 years old and had rein 1947 as head of the s Underwater Sound Laby at New London, Conn. nouncement of Dr. Hayes's was made yesterday by r. Allan K. Cameron Jr., staff officer of the laby.

Hayes was credited with ishing the earliest standof absolute calibration of water sound transducers. s the first to study such as the interference of dynamic noise with the ion of underwater echoes. f the two types of sonar nent used by the Navy at art of World War II was ed and produced under pervision.

Work Begun in 1917

Hayes was a professor of s at Swarthmore College. In 1917, he volunteered ervices to the Navy to combat the German subn threat. He explained is early research had led o conclude that the best of detecting U-Boats rough the use of unde sound. In 1917 he r his Swarthmore post t at the Navy experiment at Fort Trumbull i ondon.

he end of the war he red with the Navy, and the Naval Research Laby was completed in e became superintendent sound division.

World War II, Dr. Hayes ped improved sonar and dome material, im transducer designs and ques of localizing the beyond the resolution of onar beam. Recognizing tentiality of the helicopd the blimp in antisube warfare, he initiated the pment of sonar equipfor them.

Hayes was born in North n, N. Y., and educated at rd University, receiving h.D. there in 1911. He his teaching career at rd and went to Swarthin 1912.

Compliment From Fu

KENNETH LITTAUER, LITERARY AGENT, 74

Kenneth P. Littauer, who won the Croix de Guerre and other decorations as a pilot in World War I, and as an Army Air Forces colonel helped plan the D-Day bombings in World War II, died Sunday afternoon in a Norwalk, Conn., nursing home. He was 74 years old and lived in Wilton, Conn.

Mr. Littauer became a literary agent in 1949 and served in that capacity until a few weeks ago in his own New York concern of Littauer & Wilkinson.

Mr. Littauer won a scholarship to Colgate University, and later went to Europe where he was a reporter for The New York American in London and Paris.

Early in 1916, before the United States entered the war, the 20-year-old reporter enlisted in the Franco-Belgian air squadron. Later he transferred to the United States Air Service and [illegible] the rank of commander of the 88th Observation Squadron. At the war's end he was a lieutenant colonel.

Besides the French Croix de Guerre, he was decorated with his own country's Distinguished Service Cross, the Belgian Croix de Guerre and the Belgian Order de Leopold. During World War II Mr. Littauer was a senior intelligence officer with the Eighth Air Force in England.

After World War I, Mr. Littauer came to New York and worked for Street & Smith, the magazine publishers; from 1925 to 1948 he was fiction editor of Collier's.

He leaves his second wife, the former Helen Irwin Dowdey; 3 daughters, 11 grandchildren and 3 great-grandchildren.

Georgine Oeri, Art Critic And Teacher, Dead at 54

Georgine Oeri, art critic and teacher, died Sunday in Calvary Hospital, the Bronx. She was 54 years old and lived at 81 Bedford Street.

Miss Oeri was born in Basel, Switzerland. She attended the Universities of Basel, Perugia and Munich and the Sorbonne. Her book, "Man and His Images: A Way of Seeing"

Deaths

BILSKY—Irving, beloved husband of Rose. Devoted father of Arlene Hertzig and Norman. Dear brother of Nettie Harris, [illegible], Essie Romer, Simon and Morris. Cherished grandfather. Services Tuesday, July 16, 10:15 A.M., "The Riverside," 76th St. and Amsterdam Ave. Please omit flowers.

BLAGDEN—Mabel Whitney, of Red Bank, N. J., [illegible], July 15, 1968, after a brief illness. Widow of the late [illegible] Blagden, mother of Charles H. Sabin Jr. and grandmother of Charles H. Sabin III and Thomas W. Sabin. Funeral services at Christ Church, Middletown, N. J., on Wednesday, July 17, 1968, at 10 A.M. Interment following at the Albany Rural Cemetery in Albany, N. Y. In lieu of flowers contributions may be sent to Planned Parenthood.

BLAU—Joseph. Beloved husband of Lena, devoted father of Renee Weinstein and Beatrice Marks. Dear brother of Estelle Ullman. Loving grandfather and great-grandfather. Services Tuesday, July 16 at 11:45 A.M., "The Riverside," 76 St. and Amsterdam Ave.

BLAU—Lena. Beloved wife of the late Samuel. Devoted mother of Melvin and Laurence. Loving grandmother. Dear sister of Gussie [illegible] and Emanuel Adolph and the late Seymour Adolph. Services "Park West," 115 West 79 St., Tuesday, July 16, 2 P.M.

BRADT—Aline R., suddenly, July 14, 1968, at Briarcliff Manor, N. Y. Mother of David Bradt, Tarrytown, N. Y. and Marna Bradt [illegible], N.Y.C. Also survived by 6 grandchildren. Services Thurs. at Knoxville, Tenn.

[illegible]—[illegible], L.I., on July 14, 1968. Beloved husband of [illegible]. Dear brother of [illegible] and [illegible]. [illegible] Cancer Research [illegible].

[illegible]

BURGER—[illegible] Lodge [illegible] F.&A.M. [illegible] with deep regret the passing of [illegible] brother. [illegible] Park West Chapel [illegible].

[illegible], Master

[illegible], Secretary

BURGER—[illegible] Alfred Burger [illegible]

[illegible], Rabbi

LOUIS SUSMAN, President

CAMPBELL—Dudley Delos Sr., on July 14, 1968, at the home of [illegible] Schenectady. Born in Cherry Valley, N.Y. Husband of the late [illegible] Campbell [illegible], father of George P. [illegible] and Dudley Jr. of Pleasantville, brother of Alan Campbell, grandfather of seven. Funeral service 10:30 A.M., Wed., July 17, First Presbyterian Church, Cherry Valley, N.Y. [illegible] Funeral Home, Inc., Cherry Valley.

CLARKSON—Cornelia Livingston, in her 91st year, [illegible], N. Y. Daughter of the late [illegible] and [illegible] Clarkson. Sister of the late Mrs. [illegible] [illegible]. Notice of funeral later.

CONNOLLY—[illegible] S., M.D., of Port Washington, L. I., on July 14, 1968. Beloved husband of [illegible] [illegible], [illegible] R.C. Church, Wednesday, July 17, at 9:30 A.M.

[illegible]—[illegible] A. (nee [illegible]), on July 14, 1968, beloved wife of the late [illegible]